Applicants : James R. Hansen, et al.
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Attorney's Docket No.: 11333-013001

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the

application.

LISTING OF CLAIMS:

1. (Currently Amended) A method performed by a ~~device~~ computer program to register

~~the~~ a device with a remote computer, the method comprising:

~~storing an address of the remote computer, the address comprising a known address~~

~~predetermined and that is not obtained via a discovery process;~~

~~detecting~~ obtaining feature information ~~associated with~~ stored for the device, the feature

information comprising ~~device-specific~~ information that is specific to an instance of the device,

the feature information comprising an address of the remote computer, the address comprising a

known address that is stored prior to installation of the device in a system; and

registering the device with the remote computer by transmitting the feature information

to the remote computer at the known address using a self-describing computer language;

wherein the method is performed automatically when the computer program runs, and

wherein the method does not require manual intervention.

2. (Previously Presented) The method of claim 1, wherein the self-describing computer

language comprises eXtensible Markup Language (XML).

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3. (Previously Presented) The method of claim 1, wherein the known address corresponds to a Uniform Resource Locator (URL).

4. (Previously Presented) The method of claim 1, wherein the known address corresponds to a Transmission Control Protocol/Internet Protocol (TCP/IP) address.

5. (Currently Amended) The method of claim 1, wherein the ~~device-specific~~ information comprises a device type and a device instance.

6. (Previously Presented) The method of claim 5, wherein the device type comprises a model number of the device and the device instance comprises a serial number of the device.

7. (Previously Presented) The method of claim 1, wherein the remote computer comprises a database for storing the feature information.

8. (Currently Amended) The method of claim 7, <u>further comprising</u> ~~wherein determining comprises~~ examining the database to determine if the device was previously registered with the remote computer.

9. (Previously Presented) The method of claim 7, wherein the remote computer resides

on a distributed computing network and the feature information is transmitted to the remote

computer via the distributed computing network.

10. (Previously Presented) The method of claim 9, wherein the distributed computing

network comprises the Internet.

11. (Previously Presented) The method of claim 9, wherein the device is connected to

the distributed computing network via a direct network connection.

12. (Previously Presented) The method of claim 9, wherein the device is connected to

the distributed computing network via a dial-up network connection.

13. (Previously Presented) The method of claim 9, wherein the device is connected to

the distributed computing network via a wireless network connection.

14. (Currently Amended) The method of claim 7, wherein the ~~device-specific~~

~~information relates to~~ device stores embedded software which controls the device, the embedded

software having a first version identifier.

15. (Previously Presented) The method of claim 14, wherein the database stores a software update having a second version identifier, the software update comprising a different version of the embedded software.

16. (Previously Presented) The method of claim 15, further comprising comparing the first version identifier to the second version identifier to determine if the embedded software needs to be updated.

17. (Previously Presented) The method of claim 16, further comprising updating the embedded software using the software update if it is determined that the embedded software needs to be updated.

18. (Currently Amended) The method of claim 7, wherein the ~~feature information comprises~~ the device stores system information concerning location, ownership, or ~~and~~ configuration of the device.

19. (Previously Presented) The method of claim 18, further comprising configuring the system information via a system information interface.

20. (Previously Presented) The method of claim 19, wherein the device comprises a HyperText Transfer Protocol (HTTP) device web server and the system information interface

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comprises a software application residing on the device web server, and the method further comprises:

editing the system information by accessing the system information interface via a remote web client.

21. (Previously Presented) The method of claim 19, further comprising:

transmitting the system information to the remote computer using the self-describing computer language.

22. (Previously Presented) The method of claim 21, further comprising comparing system information on the remote computer to system information on the device to determine if the database on the remote computer needs to be updated with the system information on the device.

23. (Previously Presented) The method of claim 22, further comprising updating system information in the database with the system information from the device.

24. (Previously Presented) The method of claim 7, wherein the device comprises a device web client and the remote computer comprises a HyperText Transfer Protocol (HTTP) remote web server.

25. (Previously Presented) The method of claim 24, wherein the remote computer comprises application logic to interface the remote web server and the database.

26. (Previously Presented) The method of claim 25, wherein the device web client transmits the feature information from the device to the remote web server, and the application logic transmits the feature information from the remote web server to the database.

27. (Previously Presented) The method of claim 7, wherein the device comprises a device mail client and the remote computer comprises a Simple Mail Transfer Protocol (SMTP) remote mail server.

28. (Previously Presented) The method of claim 27, wherein the remote computer comprises application logic to interface the remote mail server and the database.

29. (Previously Presented) The method of claim 28, wherein the device mail client transmits the feature information from the device to the remote mail server, and the application logic transmits the feature information from the remote mail server to the database.

30. (Currently Amended) A machine-readable medium One or more machine-readable media that stores store instructions that are executed by a device to register the a device with a remote computer, the instructions causing the device to:

~~store an address of the remote computer, the address comprising a known address that is~~

~~predetermined and that is not obtained via a discovery process;~~

~~detect~~ obtain feature information ~~associated with~~ stored for the device, the feature

information comprising ~~device-specific~~ information that is specific to an instance of the device,

the feature information comprising an address of the remote computer, the address comprising a

known address that is stored prior to installation of the device in a system; and

register the device with the remote computer by transmitting the feature information to

the remote computer at the known address using a self-describing computer language;

wherein obtaining and registering are performed automatically when the instructions are

executed and obtaining and registering do not require manual intervention.

31. (Currently Amended) The one or more machine-readable media ~~medium~~ of claim

30, wherein the self-describing computer language comprises eXtensible Markup Language

(XML).

32. (Currently Amended) The one or more machine-readable media ~~medium~~ of claim

30, wherein the known address corresponds to a Uniform Resource Locator (URL).

33. (Currently Amended) The one or more machine-readable media medium of claim

30, wherein the known address corresponds to a Transmission Control Protocol/Internet Protocol

(TCP/IP) address.

34. (Currently Amended) The one or more machine-readable media medium of claim

30, wherein the feature information comprises a device type and a device instance.

35 to 41. (Cancelled)

42. (Currently Amended) The one or more machine-readable media medium of claim

30, wherein the feature information comprises device stores system information concerning

location, ownership, and or configuration of the device.

43. (Currently Amended) The one or more machine-readable media medium of claim

42, further comprising instructions that cause the device to receive the system information.

44. (Currently Amended) The one or more machine-readable media medium of claim

43, further comprising instructions that cause the device to:

transmit the system information to the remote computer using the self-describing

computer language.

45 to 48. (Cancelled)

49. (Previously Presented) A device that registers with a remote computer, the device

comprising:

a processing device that executes instructions to:

store an address of the remote computer, the address comprising a known address

that is predetermined and that is not obtained via a discovery process;

~~detect~~ obtain feature information ~~associated with~~ stored for the device, the feature

information comprising ~~device-specific~~ information that is specific to an instance of the

device, the feature information comprising an address of the remote computer, the

address comprising a known address that is stored prior to installation of the device in a

system; and

register the device with the remote computer by transmitting the feature

information to a remote computer at the known address using a self-describing computer

language;

wherein obtaining and registering are performed automatically when the

instructions are executed by the processor and do not require manual intervention.

50 to 52. (Cancelled)

53. (New) The device of claim 49, wherein the self-describing computer language

comprises eXtensible Markup Language (XML).

54. (New) The device of claim 49, wherein the known address corresponds to a

Uniform Resource Locator (URL).

55. (New) The device of claim 49, wherein the known address corresponds to a

Transmission Control Protocol/Internet Protocol (TCP/IP) address.

56. (New) The device of claim 49, wherein the information comprises a device type and

a device instance.

57. (New) The device of claim 56, wherein the device type comprises a model number

of the device and the device instance comprises a serial number of the device.

58. (New) The device of claim 49, wherein the device stores system information

concerning location, ownership, or configuration of the device.

59. (New) The device of claim 58, wherein the processing device executes instructions

to receive the system information.

60. (New) The device of claim 59, wherein the processing device executes instructions

to:

transmit the system information to the remote computer using the self-describing

computer language.